

Lighting Measure Report

Color Parameter

Chroma Coordinate: $x=0.4403$ $y=0.4021$ $u=0.2536$ $v=0.3474$ $Duv=0.0012$

Chroma Coordinate: $u'=0.2536$ $v'=0.5211$

CCT.: CCT=2928K Dominant: $d=584.2\text{nm}$ Barycenter: $b=591\text{nm}$ Peak Wavelength: $p=605.3\text{nm}$

FWHM: 124.7nm Purity: $Pe=52.66\%$ Red Ratio: $R=0.237$ Green Ratio: $G=0.736$ Blue Ratio: $B=0.027$

Color CRI.: $Ra=84.07$ $\text{AvgR}(1\sim14)=79.36$ $\text{AvgR}(1\sim15)=79.13$

R 1=84 R 2=94 R 3=95 R 4=81 R 5=84 R 6=93 R 7=82

R 8=61 R 9=13 R 10=85 R 11=81 R 12=73 R 13=86 R 14=99

R 15=76

GAI: $GAI_EES=53.16$, $GAI_BB8=95.85$, $GAI_BB15=103.7$

Luminosity Parameter

Luminous Flux(380-780nm): 917.786lm Optical Power(380-780nm): 2.823W Efficient(380-780nm): 118.9lm/W

EEL: 0.1078 Energy Class: E (EU)2019/2015

Photons($\mu\text{mol/s}$): $13.7[380-780\text{nm}]$ $7.1[380-600\text{nm}]$ $11.8[500-700\text{nm}]$

Photosynthetic parameters(400-700nm): $PPF:13.2 \mu\text{mol/s}$

PAR:

Eff(PPF):

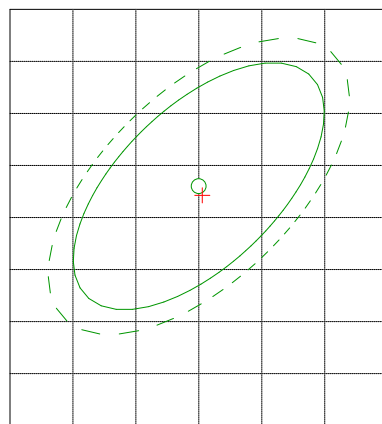
Electric Parameter

Voltage: $U=12\text{V}$ Current: $I=643.5\text{mA}$ Power: $P=7.72\text{W}$ PF: $PF=1$ Freq: 0Hz DF: 0

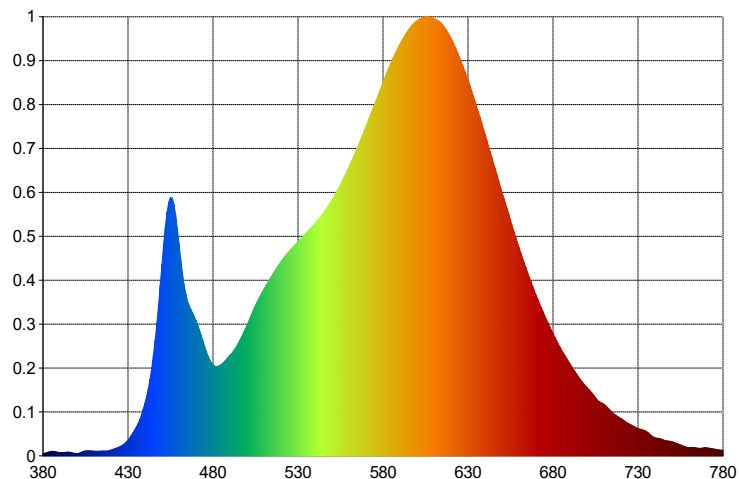
Device State

Wavelength Range: $380\text{nm}-780\text{nm}$ Wavelength Interval: 1nm

SDCM: 0.577



$x=0.44$ $y=0.403$ F3000



Standard: LM-79-08

Product Model: 121201012 7W 12V 3000K

Sample No.: 1

Test Cond: $Tg=24.2\text{Cels}$ $Ta=24.6\text{Cels}$ $RH=60\%$

Test Date: 2025-8-27 8:50:31

Manufacturer: Smt Lighting

Product Category: LED strip

Measure Device: Volnic X-10 Series CCD Spectrum System

Operator(Sign): _____